

braided structure during expansion thereof and being capable of substantial sealing engagement with a wall of the vessel to interrupt fluid flow therethrough.

160. (New) The apparatus of claim 159, wherein the braided structure is self-expanding.

161. (New) The apparatus of claim 160, further comprising an elongate sleeve, the sleeve being slidable over the braided structure for contraction thereof.

162. (New) The apparatus of claim 159, wherein the elongate member has a lumen extending therethrough.

163. (New) The apparatus of claim 159, wherein the covering is movable with the braided structure during expansion and contraction thereof.

164. (New) An apparatus for temporary occlusion of a blood vessel, the apparatus comprising:

a flexible elongate member having a distal extremity;

a structure having first and second ends mounted on the distal extremity and having contracted and expanded configurations; and

a covering on the structure, the covering being movable with the structure during expansion thereof and being capable of substantial sealing engagement with a wall of the blood vessel to interrupt blood flow therethrough, the structure and covering being non-inflatable between the contracted and expanded configurations.

165. (New) The apparatus of claim 164, wherein the structure comprises a braid.

166. (New) The apparatus of claim 165, wherein the braid comprises a metal.

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167. (New) The apparatus of claim 164, wherein the structure is self-expanding.

168. (New) The apparatus of claim 167, further comprising an elongate sleeve, the sleeve being slidably disposed over the structure for contraction thereof.

169. (New) The apparatus of claim 164, wherein the covering is movable with the structure during expansion and contraction thereof.

170. (New) The apparatus of claim 164, wherein the covering expands and contracts with the structure.

171. (New) An apparatus for occlusion of a vessel, the apparatus comprising:
a flexible elongate member having a distal extremity;
a braided structure having first and second ends, both the first and second ends being mounted about the distal extremity, the structure being movable between a contracted shape and an expanded shape; and
a covering being located on and movable with the braided structure such that, when the braided structure is in the expanded shape, the covering substantially seals against a wall of the vessel to interrupt fluid flow therethrough, the braided structure and the covering being non-inflatable between the contracted and expanded shapes.

172. (New) The apparatus of claim 171, wherein the braided structure has a shape memory.

173. (New) The apparatus of claim 172, wherein the shape memory is the expanded shape.

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174. (New) The apparatus of claim 173, further comprising an elongate sleeve, the sleeve being slidably disposed over the braided structure for encasing the braided structure in the contracted shape.

175. (New) The apparatus of claim 171, wherein the braided structure comprises a material selected from the group consisting of shape memory metal, nickel titanium alloy, stainless steel, and titanium.

176. (New) The apparatus of claim 171, wherein the braided structure comprises a material selected from the group consisting of silicone, C-Flex, polyethylene, and PET.

177. (New) An apparatus for occlusion of a blood vessel, the apparatus comprising:

a flexible elongate member having a distal extremity; and
means for sealing having first and second ends being mounted on the distal extremity, the means for sealing being capable of self-expansion into sealing engagement with a wall of the blood vessel to interrupt blood flow therethrough.

178. (New) The apparatus of claim 177, wherein the means for sealing comprises an expandable and contractible braided structure with a covering thereon, the covering being movable with the braided structure during expansion and contraction thereof.

REMARKS

By this Supplemental Preliminary Amendment, Applicants have canceled claims 149-158, without prejudice or disclaimer. Applicants reserve the right to re-present canceled claims 149-158 at a later time or in a related application.

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